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USER'S MANUAL
ALDRYS EVOLUTION II BED

CONTENTS IAL3L 07/08/11

① TRANSPORT CONDITIONS
② STORAGE CONDITIONS
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THIS MANUAL MUST BE READ BEFORE THE BED IS USED AND GIVEN TO THE USER FOR SAFE KEEPING

15/06/2011 *580034*

① TRANSPORT CONDITIONS

WARNING: When handling the bed base, the back and leg rests must be strapped to the bed frame.

During transportation, the bed must be in low position, braked, strapped and protected by cardboard packing. The wired handset and supply lead should be attached to the bed base cross member.

The head and footboards are protected by cardboard and strapped to the sleeping surface.

The bed should be transported upright when in its original packaging in compliance with the instructions printed on the packaging (Top, Bottom, Fragile) or flat in certain circumstances (low height). In this case, the package must not be stacked.

- **Packaging dimensions: L 2030. W = 930. H = 510**.

It is strictly forbidden to stack packages weighing over 60kg/m², whatever position they are in.
Before transporting or dismantling the bed, make sure the back and leg rests are fixed to the frame of the bed base.

② STORAGE CONDITIONS

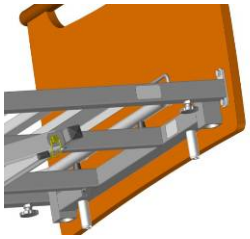
The bed, along with the boards and accessories, must be stored at a room temperature of between -10°C and +50°C, and relative humidity of between 30% and 75%.
Atmospheric pressure between 700hPa and 1060hPa under the same conditions as for transporting.

③ ASSEMBLY CONDITIONS

INSTALLATION RECOMMENDATIONS:
This equipment should be installed in accordance with the following recommendations:
Check that the equipment functions properly (test all of its functions) after it has been installed.
Users must be trained in how to use the equipment.
Users (the patient and carers) must be aware of the safety instructions to be followed (see user's manual).

3.1 SETUP FOR USE

Remove the packaging protective devices, adhesive tape and packing straps. Fit the head and footboards with weights into the ends of the bed base and fix them using the Rondo screws in the corners of the bed base.



Hook the wired handset onto the headboard by passing the cord over the cross braces as in the photo below to stop them getting caught.

Put the bed in the designated room, foreseeing an appropriate perimeter of use for the different functions (variable height), especially if the bed has a lifting pole or side rails.

Brake the castors and plug in the power lead, checking that the mains comply with the standards in force and that it is suitable for the supply box voltage. Also ensure that the power lead is positioned correctly to prevent any risks of getting caught between the moving parts of the bed. See photo below.

Clip to secure the power lead

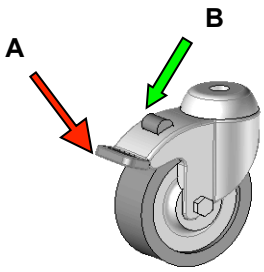
3.2 DISMANTLING/ASSEMBLING THE ALDRYS EVOLUTION BED (for divisible bed base)

- **Separate braking of wheels**

The brake on the 4 castors must be locked when the bed does not need to be moved.

Check that the wheels are locked by trying to move the bed. If this is not done, the patient or another person who leans on the bed may fall.

A. ***Braking****: press down on the brake with your foot.*



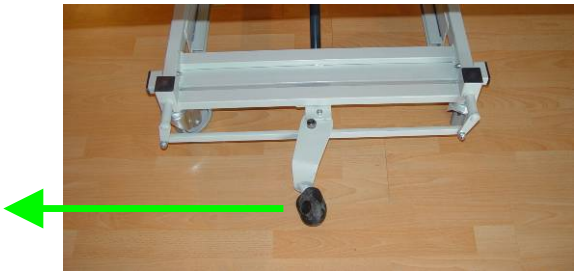
B. ***Releasing the brake****:* press down on the release lever with your foot.

- **Centralised braking of wheels**

The centralised braking of the bed must be activated when the bed does not need to be moved.

A. ***Braking****: Push the pedal to the right of the bed with your foot.*

B. ***Releasing the brake****: bring the pedal towards the centre of the bed with your foot.*



Before transporting or dismantling the bed, make sure the back and leg rests are fixed to the frame of the bed base.

➢ **Dismantling the Aldrys Evolution bed (for divisible bed base)**

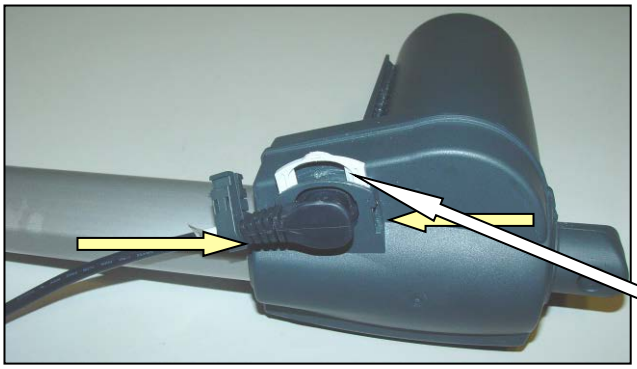
1. Brake the castors and lift the bed to its highest position.
2. Dismantle the accessories: lifting pole, side rails and boards.
3. Unplug the electric lead of the leg rest motor (Use a screwdriver ① to release the jack wire) (**A**).
4. Remove the clip in the middle of the two ½ bed bases.

Loosen the Rondo screws② and pull the foot-half of the bed base towards the feet end (**B**, **C**).

5. Put the bed into the low position and unplug the electric lead of the variable height motor, (**A**).

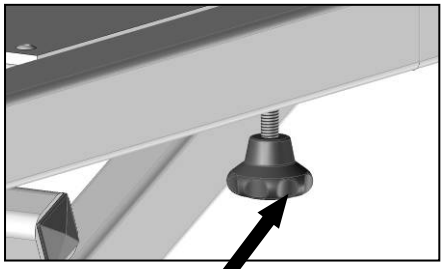
Take out the pins③ connecting the bed base/cross brace and lift the frame of the half bed base (**E**). The base is ready to be moved or transported.

A.



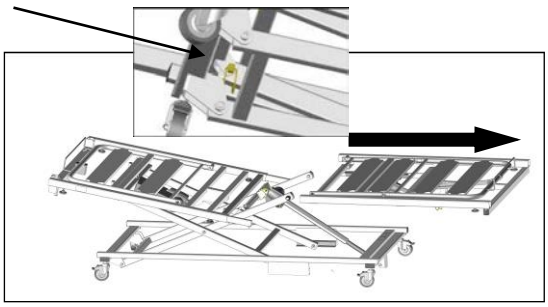
① **Clip**

B.



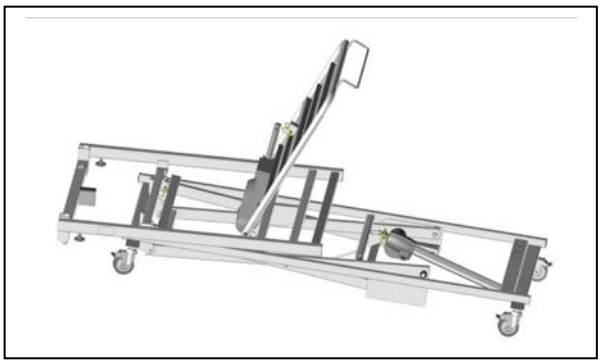
② **Rondo screws**

C.



③ **Pin**

E.



➢ Assembling the Aldrys Evolution bed (for divisible bed base)

1. *Place the base with the cross brace in the braked position.*
2. *Position the head-half of the bed base on the cross brace and secure the 2 pins③(**E**).*
3. *Take out the power lead on the head end above the cross member, secure it on the structure using the clip and plug into the mains (**F**).*
4. *Take out the electric lead(s) of the motors by passing them as shown on photo G and connect it (them) on to the variable height jack (G,A). Test that the equipment functions properly using the handset. See the electric connection diagram.*
5. *Position the bed in its highest position.*
6. *Assemble both half bed bases. Fully screw in the 2 Rondo screws ②(**H, B**).*
7. *Put the clip between the two ½ bed bases.*
8. *Plug in the electric lead of the leg rest motor(**A**).*
9. *Assemble the accessories: side rails, boards and lifting pole.*

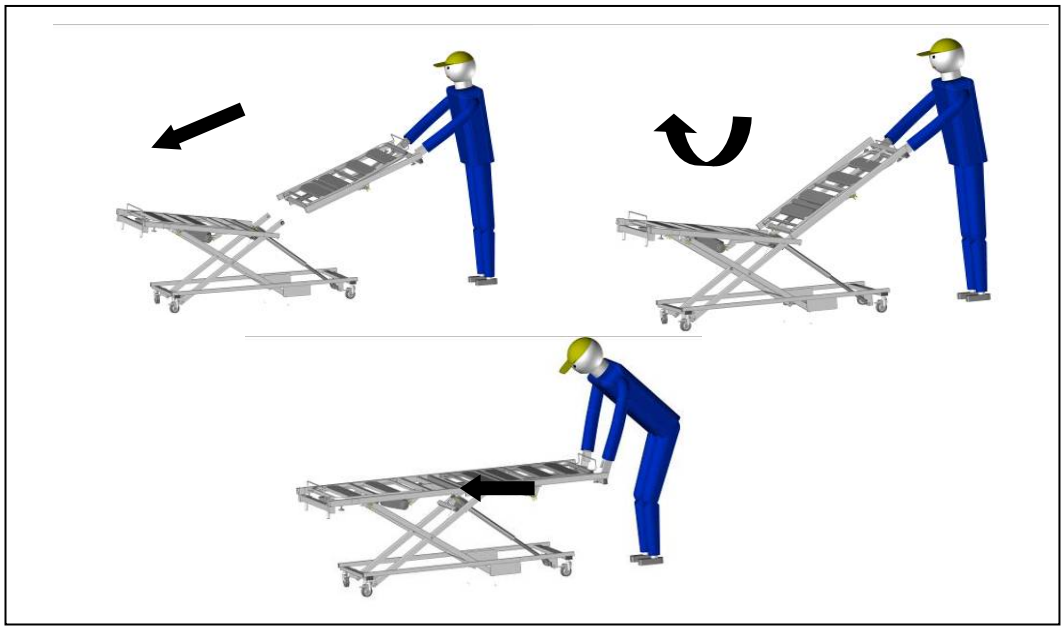
F.

Assembling the jack and positioning the leads.

G.

Passing the motor leads inside the clip pin (see photo above)

H.

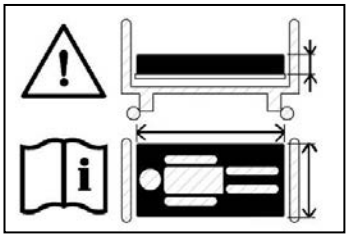


3.3 LIST OF ACCESSORIES

Item	*Reference*	Working load safety
Lifting pole	A 243-00 / A576-00	75 Kg
Full length wooden side rails	A 579-00 / A580-00	Not applicable
Aldrys epoxy folding rails	A 607-00 / A 608-00	Not applicable
Aldrys chromed folding rails	A 609-00 / A 610-00	Not applicable
Wall stop	A 274-00	Not applicable
IV stand	A 17 00	8 Kg
Telescopic IV stand	A 84 00	8 Kg
Bed base extension	A 283-00	Not applicable
Handle support	A 575-00	Not applicable

Only accessories and boards supplied by ***MEDICATLANTIC*** guarantee safe use.

- **Compatibility of the mattress :**



Products	Features compatible mattresses
Aldrys Evolution Bed IAL3L	Minimum width ***86 cm***, high resilient foam with a density of **34kg / *m³* *minimum***, height ***14cm mini*** and ***15 to 17cm maxi***

Incompatibles mattresses may create HAZARDS

3.4 SETTING UP THE ACCESSORIES

- **Angled lifting pole**

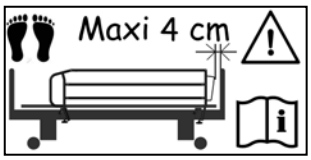
The lifting pole is intended to help the patient lift him/herself up and change position in the bed. It is not meant to help with transferring.
Fit the angled lifting pole into the slots on each side of the head-end of the bed base until the tab is engaged and then put the washer and nut in place.

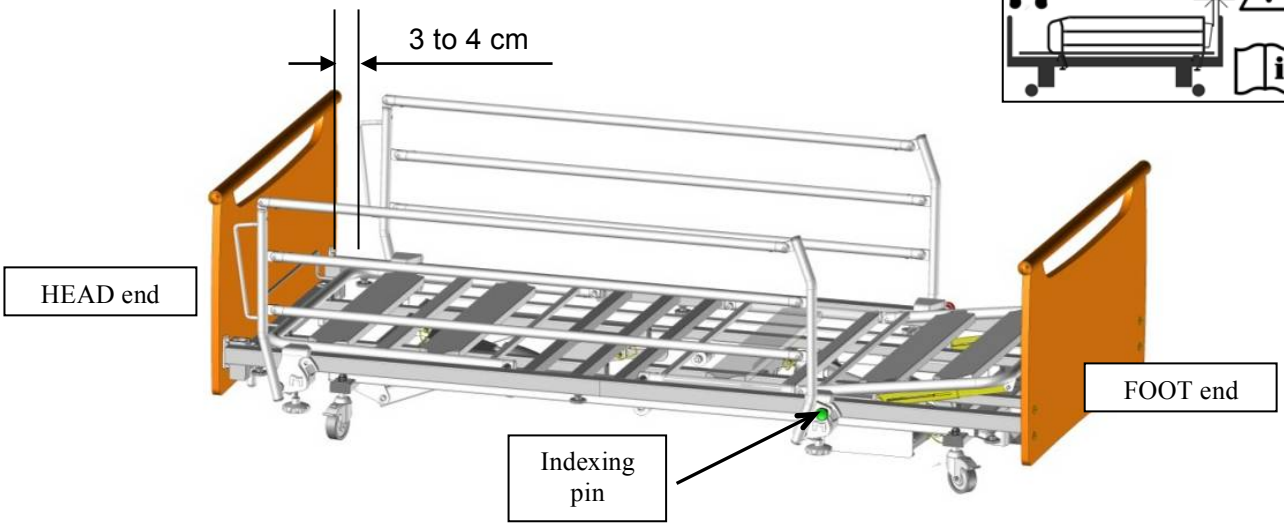
- **Wall stop**

The wall stop A274-00 can be mounted on the cross member of the head-end of the base.
Remove the cross member plug and insert the stop pin in the hole of the cross member**.**

➢ **Folding side rail**

1. Assemble the folding side rail in the direction shown by the photo
2. Leave a space of 0 to 6 cm maximum at the head of the bed (even if the board is dismantled).
3. Tighten the Rondo screws of the grip jaws on the bed base.

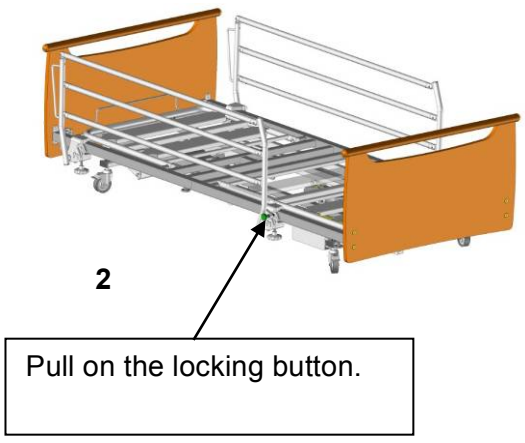


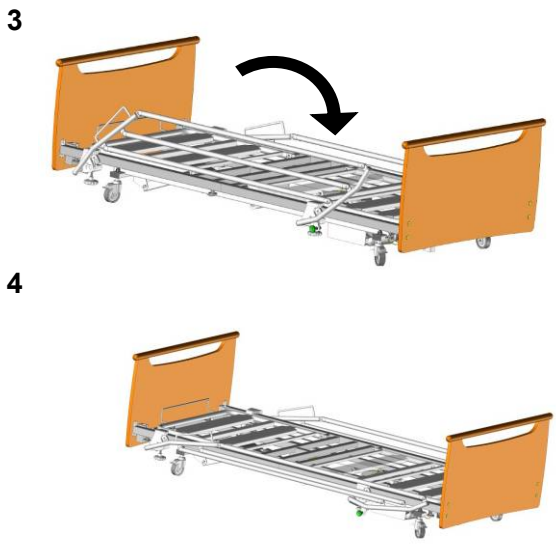


If the side rail is poorly positioned, user safety may be endangered or a malfunctioning may occur. **The side rails must not be used when the patient is a child or if s/he is too small.**

➢ <u>To lower the side rail.</u>

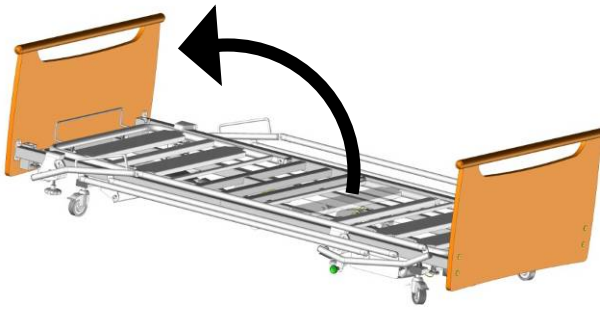
1. Take the side rail by the top rail.





➢ To raise the side rail.

1. Take the side rail by the top rail and lift.



Check that the side rail is locked by trying to fold it without using the release pin

Precaution for use.
There must be at least 220 mm between the top of the side rail and uncompressed mattress surface.

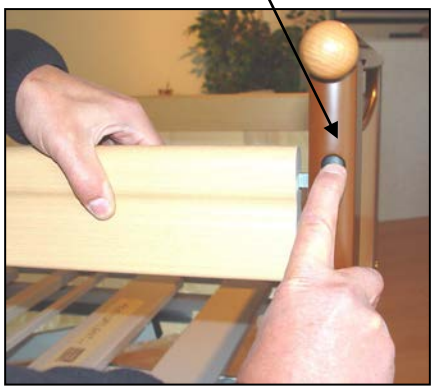
➢ **Full lenght wooden side rails**

➢ To raise the side rail.

① Lift the top rail with two hands until it locks.
② Check if it is well under way.

➢ To lower the side rail.

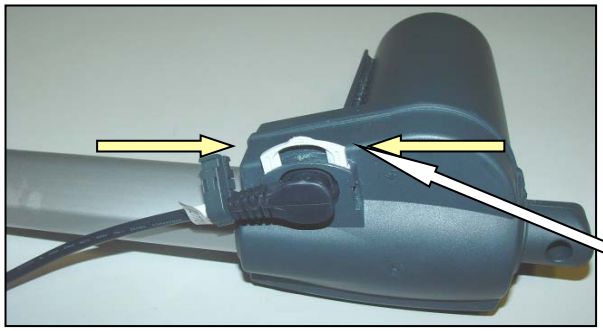
① Lift the top rail with one hand.
② Press the indexing pin with the other hand.
③ Accompany the descent of the side rail.
④ Repeat stages ① to ③ for the other side



3.5 INSTRUCTIONS FOR DISMANTLING THE MOTORS

Disconnect the 230 volts connection before dismantling.

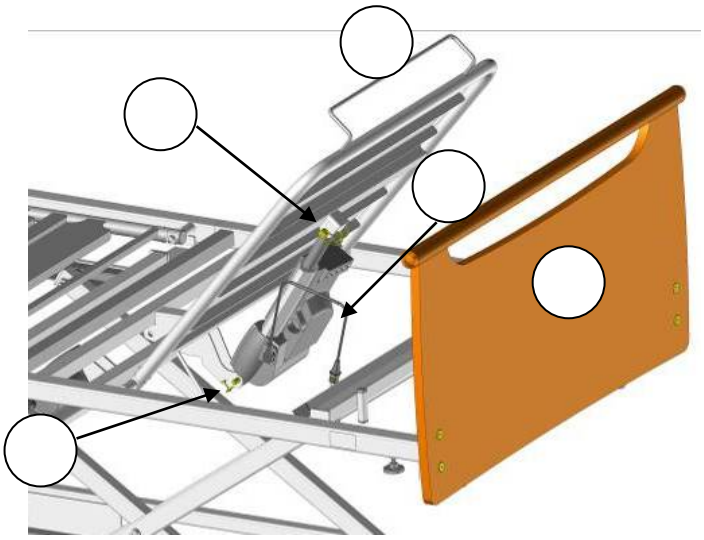
- Dismantle when the bed is empty or in the side position
- If dismantling in any other position, keep a firm hold of the moving parts to avoid any shearing.
- Unplug the motor leads, unblock the motor clips and remove them from the securing seals.
- Put the motors back in place and put in the same direction as at the beginning.



3.6 FLATTENING THE BACK REST ON THE BED

In the event of a power cut or failure, flatten the back rest as follows:

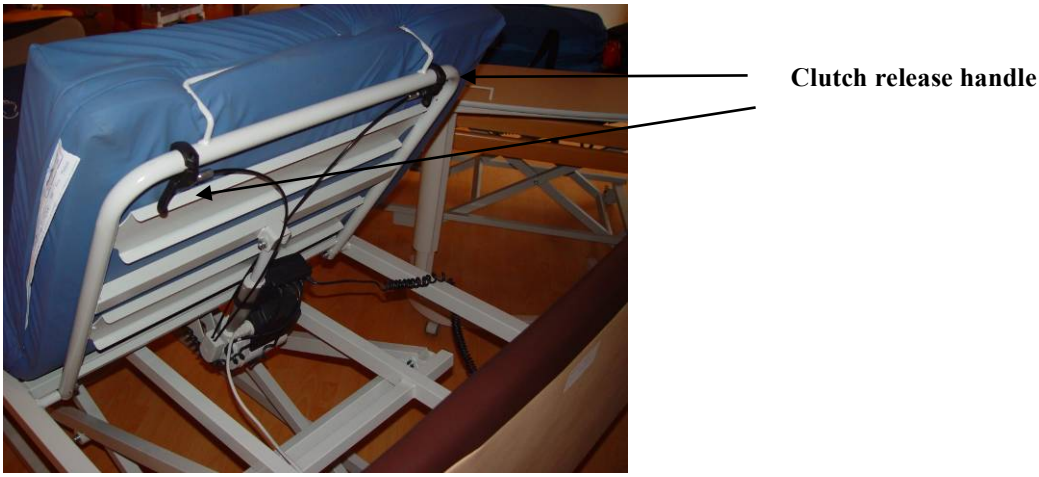
a) Disconnect the power supply.
b) Dismantle the headboard① and wooden side rail if necessary.
c) Stand at the head of the bed and take hold of the back rest handle② with one hand. Push or lift to compensate the pressure exerted by the patient and unhook the clip③ by the connecting rod with the other hand. The back rest jack will then pivot downwards.
d) Put the headboard back.



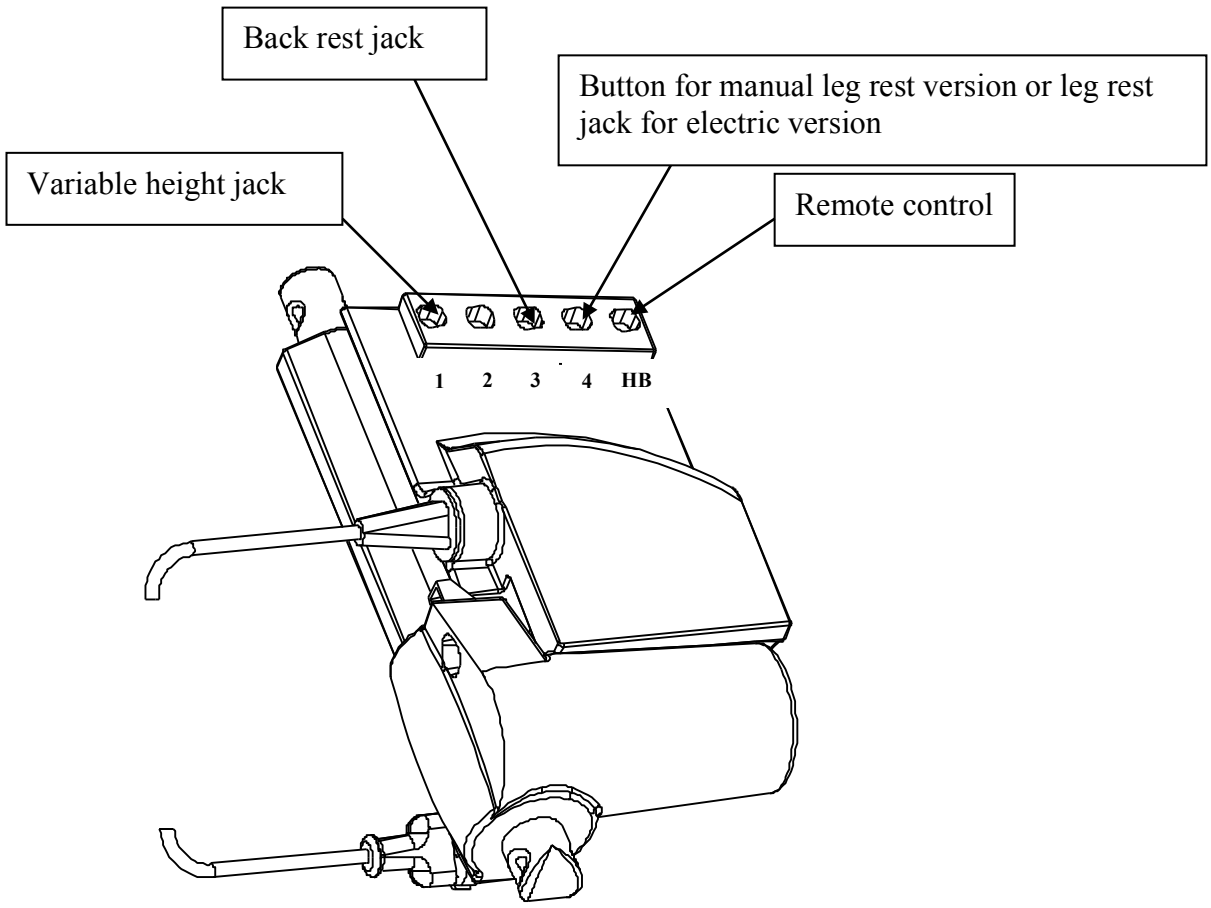
➢ To exchange the jack: unplug the electric lead from the motor⑤ and remove clips ③ and ④.

Emergency flattening of the back rest (optional) (can be used in the event of a power cut):

Activate one of the two handles on the back rest while lowering the back rest with the other hand. If the handle is released, the chest rest will stop moving.



ELECTRICAL CONNECTION DIAGRAM


Back rest jack
Button for manual leg rest version or leg rest jack for electric version
Variable height jack
Remote control
1 2 3 4 HB

④ CONDITIONS FOR USE

- The bed must be plugged into a dedicated socket. When use of an adaptor, extension lead or connection plug proves necessary, you must check that its characteristics are suitable for the bed.
- The cleaning instructions recommended must be complied with.
- The mains plug must be disconnected before the bed is moved. When the bed is being moved, the lead must not trail on the ground or get caught in the castors.
-Do not pull on the mains leads to disconnect the mains plug.
- During any handling, try not to catch the leads of the motors and remote control and do not get them knotted.
- The condition of the leads must be checked frequently. If the slightest modification is observed, the person in charge for maintaining the bed must be contacted to carry out the necessary repairs.
- If repairs are required, the person in charge of maintenance must be contacted.
Moreover, the telephone number of the company to be contacted for any repairs is given in this document.

4.1 PURPOSE OF BED

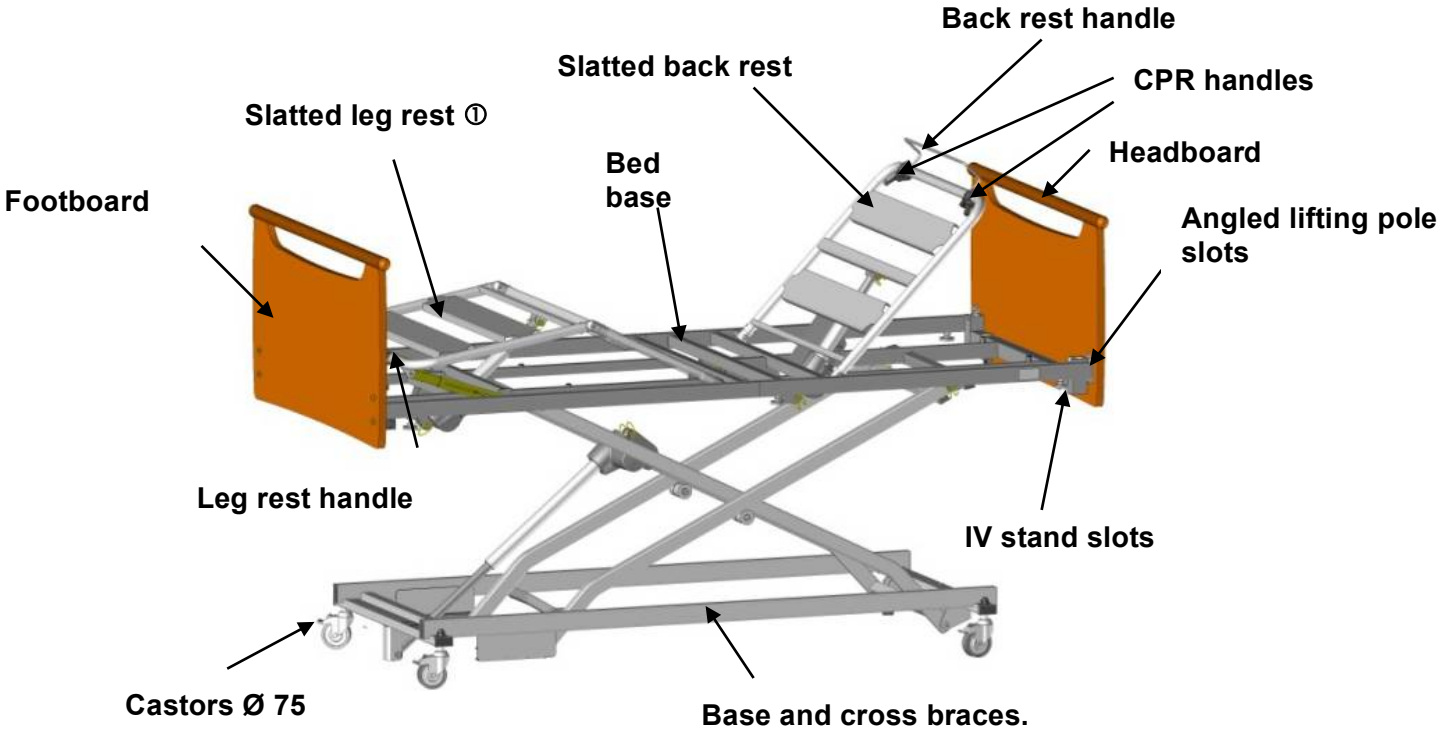
- Aldrys Evolution beds are not designed for children under 12, or for any other purpose apart from those stipulated below.

- Depending on their configuration, Aldrys Evolution beds are intended for home use (HAD – MAD), EPHAD and HPA.

- Aldrys Evolution beds with the emergency flattening option of the back rest and locking of functions are designed for medical care centres.

4.2 GENERAL DESCRIPTION

This bed has a headboard and footboard. See the types of board on offer in the price list.



① Manual crank or electric folding leg rest depending on version.

Raise the Aldrys Evolution bed to a minimum height of 30 cm when using a patient lift or overbed table.

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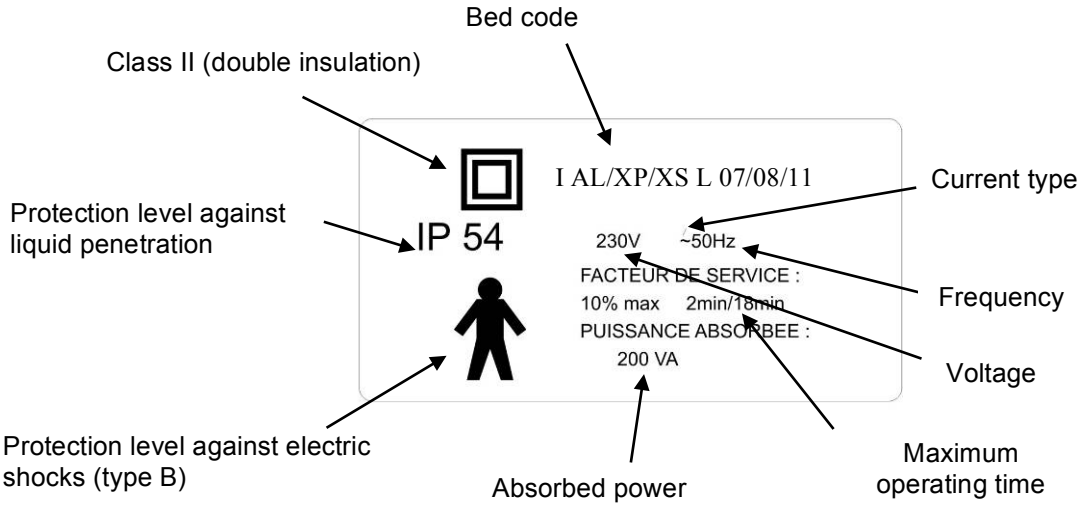
MEDICATLANTIC recommends the use of a patient lift or a dining table bases with less than 120 mm high.

Passing the patient lift under the Aldrys Evolution bed

Passing the overbed table under the Aldrys Evolution bed

4.3 TECHNICAL CHARACTERISTICS

➢ Electrical characteristics



➢ Electrical data

	TYPE	*PROTECTION INDEX*	*VOLTAGE*	*FREQUENCY*
Variable height jack	LA 27 6000N	IP 66	24V DC	
Back rest jack ***CPR jack (optional)***	LA 27 6000N LA27 3500 N	IP 66	24V DC	
Leg rest jack	LA 27 6000N	IP 66	24V DC	
Supply box	CB 6	IP 66	230 V AC	50 HZ
Lockable wired handset	HL72/HL74	IP 54	24V DC	

Operating time: 2 minutes of continuous use followed by 18 minutes down time.

❖ The type and gauge of mains fuse F=(1AT)

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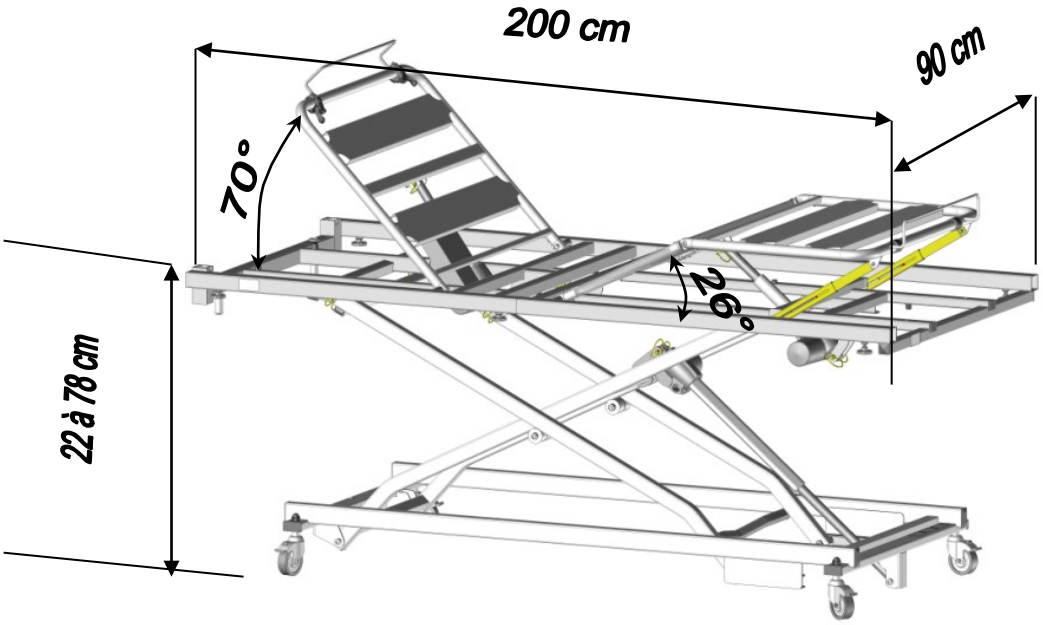
➢ Weight

- Normal load in use: 170 kg (Patient 135 kg, Mattress 20kg. Accessories 15kg)

Bed, version electric folding leg rest (without boards)..... 89.5 kg
Bed, version manual crank leg rest (without boards)..... 85.5 kg
Base..... 41.5 kg
Head-end bed base..... 23 kg
Foot-end bed base, version electric folding leg rest..... 25 kg
Foot-end bed base, version manual crank leg rest..... 21 kg

➢ Dimensions



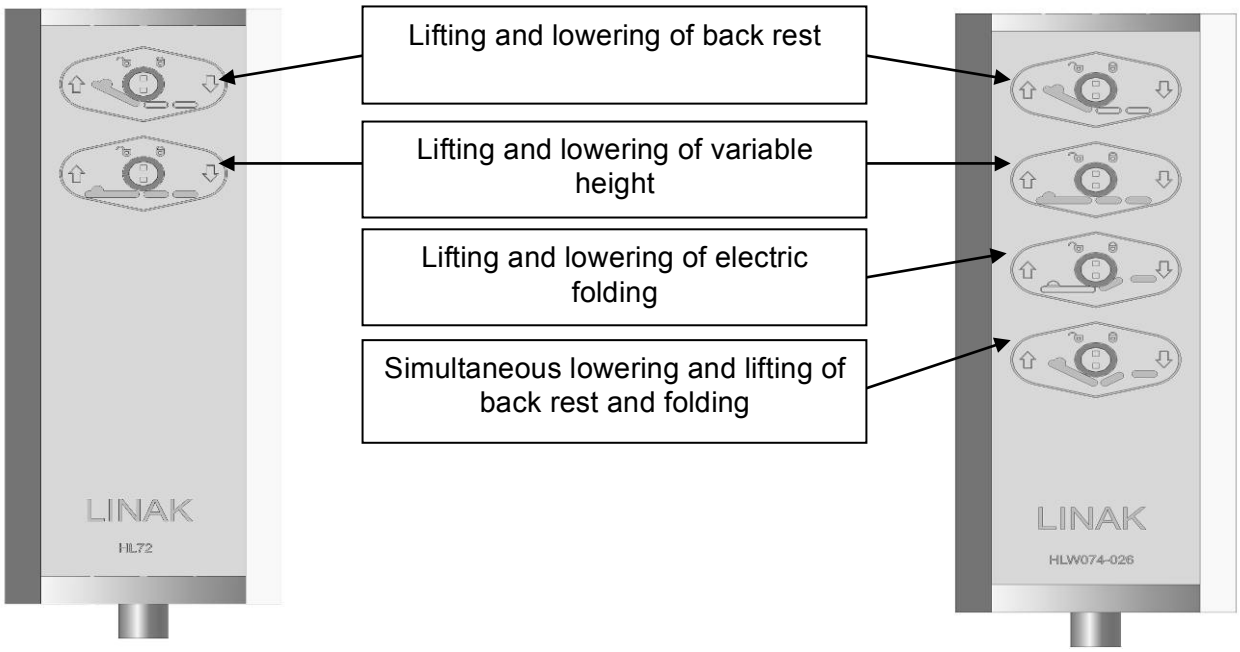
Castor with Ø 75

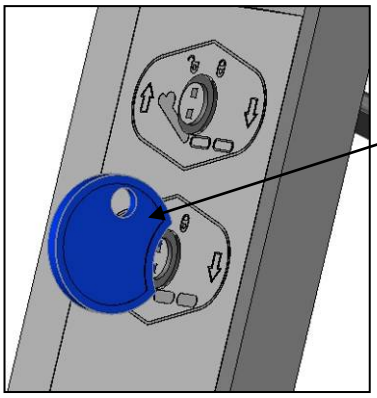
4.4 USE

- Carry out a test cycle when the bed is empty to familiarise yourself with the bed functions.

Version with manual leg rest

Version with electric folding leg rest

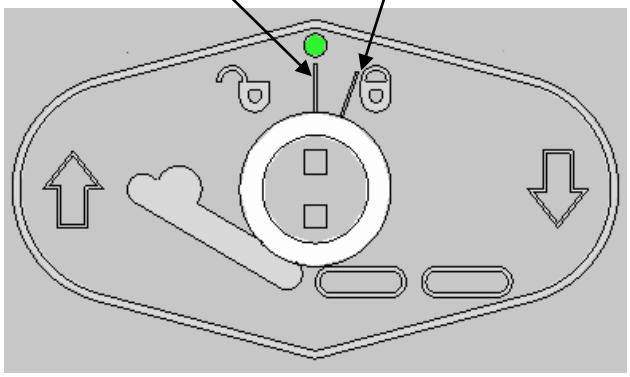




Key to lock a function

KEY IN VERTICAL POSITION: THE FUNCTION IS UNLOCKED

TURN THE KEY SLIGHTLY TO THE RIGHT TO LOCK THE FUNCTION



❖ **Manual crank leg rest**

To lift, lift the leg rest using the wire handle at the end.
To lower, lightly relieve the leg rest with one hand to release the catch and lower the leg rest.

Folding:

Memory folding: keeps a position of the tibia section horizontal when the jack is activated upwards. To use this function, the crank catch must be engaged.
Folding without memory: the end of the tibia section stays in contact with the bed base.

4.6 PRECAUTIONS FOR USE

Before use, it is essential to read these instructions carefully. They contain advice on using and looking after the bed to guarantee optimum safety. The user and staff must be aware of the risks associated with using the bed and children must not be allowed on it.

Although the bed is **EMC** conforming, some devices may alter how it functions, in which case they must be used at a distance or not used at all.

The bed is a medical device and must not be modified under any circumstances. You must ensure its traceability, including that of the boards and its accessories.
If you assemble different types of medical devices, you must conduct a risk analysis and make the **CE** declaration.

The electric parts (jack, supply box, wired handset, etc) shall only be repaired by the manufacturer Linak.
The bed is not suitable for use with an inflammable anaesthetic mixture with air or oxygen or nitrous oxide.

After each use and while care is being administered to the patient, the 4 brakes must be activated to secure the bed.

When the patient is resting, the bed must be placed in its lowest possible position to reduce the severity of a possible fall and the handset must be locked using the key supplied. For greater safety, the side rails can be adapted (see accessories).

The loads permitted (see bed characteristics) must be distributed evenly over the bed base and include the weight of the boards, mattress and different accessories.

Do not activate all the motors at the same time when the patient is in the bed (only one motor is authorised at one time).

After each time the bed is used, it must be placed in low position to protect the patient from injury (if the patient's health requires this: confused, demented or physically weak). Do not forget to lock the wired handset.

The bed should not be used as a stretcher.
Do not sit on the side of the back rest or leg rest if it's not flat.

When the bed is placed in low position, make sure that there are no objects and no parts of the patient's or carer's body caught between the boards and the ground, between the boards and base or between the cross braces.

When the bed is being moved, keep the power lead well away from the ground. It must not pass between the cross braces or the base and the bed base.

With no equipotentiality socket (optional), the patient must not be connected intravascularly or intracardially with electro-medical devices.

Powering up

Connection to the supply box must be done using a mains complying with the standards in force and corresponding to a voltage of use of 230 V.

The wired handset must be hooked to the headboard when not in use.

During handling, the spiral lead and/or power lead should be kept away from moving parts such as the cross brace or back rest and should not be knotted.

Only use original parts and accessories supplied by **MEDICATLANTIC** to guarantee safety and maintain product conformity.

The bed must not be modified.

Abnormal use of the bed may damage it or cause accidents to users, in which case the warranty shall be annulled. Abnormal use means failure to comply with the precautions for use, maintenance instructions and other uses not related to the bed's normal purpose, such as: use of the bed by several people at the same time, use outdoors, moving the bed on a slope that is steeper than 10°, etc.

Manufacturer's declaration and guide –electromagnetic emissions		
The medical bed (see references in contents) has been designed for use in the electromagnetic environment specified below. The user should ensure that it is used in such an environment		
Emissions test	**Compliance**	**Electromagnetic environment - Guide**
RF emissions CISPR 11	Group 1	The medical bed (see references in contents) uses RF energy only for its internal functions. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The medical bed (see references in contents) can be used in all domestic environments, including those directly connected to the public low-voltage power supply network that supplies buildings for domestic purpose. [ ]
Harmonic emissions EN 61000-3-2	Class A	
Voltage fluctuations / Flicker EN 61000-3-3	Applicable	
RF emissions CISPR 14-1	Compliant	The medical bed (see references in contents) has not been designed for connection to other equipment.

Manufacturer's declaration and guide –electromagnetic immunity			
The medical bed (see references in contents) has been designed for use in the electromagnetic environment specified below. The user should ensure that it is used in such an environment			
Immunity test	**CEI 60601 Severity level**	**Compliance level**	**Electromagnetic environment - Guide L**
Electrostatic discharge EN 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transients EN 61000-4-4	± 2 kV for feeders ± 1 kV for input/output lines	± 2 kV for feeders ±1 kV for input/output lines	The quality of the main power supply must be the same as for a typical commercial or hospital environment.
Surges EN 61000-4-5	Differential mode ± 1 kV Common mode ± 2 kV	Differential model ± 1 kV /	The quality of the main power supply must be the same as for a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations EN 61000-4-11	• <5% U_T - for 10 ms • 40% U_T - for 100 ms • 70% U_T - for 500 ms • <5% U_T - for 5 s	• <5% U_T – for 10 ms • 40% U_T - for 100 ms • 70% U_T - for 500 ms • <5% U_T - for 5 s	The quality of the main power supply must be the same as for a typical commercial or hospital environment. If the user of the medical bed (see references in contents) wants to be able to continue to use the bed during interruptions in the main power supply, it is recommended that the bed be powered by a converter or battery.
Power frequency magnetic field (50/60 Hz)	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NB: U_T *is the nominal value of power voltage applied during the test.*			

Manufacturer's declaration and guide –electromagnetic immunity			
The medical bed (see references in contents) has been designed for use in the electromagnetic environment specified below. The user should ensure that it is used in such an environment			
Immunity test	**CEI 60601 Severity level**	**Compliance level**	**Electromagnetic environment - Guide**
Conducted RF EN 61000-4-6 Radiated RF EN 61000-4-3	3 Vrms 150 kHz to 80 MHz 3 V/m 80 MHz to 2.5 GHz	3 V 3 V/m 80 to 800 MHz 2 to 2.5 GHz	Portable and mobile RF communications equipment should be used no closer to the medical bed (see references in contents), including leads, than the recommended separation distance, calculated using equations applicable to the frequency of the transmitter. **Recommended separation distance** $d = 1{,}17\sqrt{P}$ $d = 1{,}17\sqrt{P}$ 80 MHz to 800 MHz $d = 2{,}33\sqrt{P}$ 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the

		10 V/m 800 MHz to 2 GHz	transmitter manufacturer and *d* the recommended separation distance in metres (m). The field strengths transmitted by fixed RF transmitters, determined by an electromagnetic measurement of the site [a], must be less than the conformity level in each range of frequencies. Disturbances can occur near devices marked with this symbol:

Note 1 At 80 MHz and 800 MHz, the upper frequency range applies.

Note 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

A Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the medical bed (see references in contents) is used exceeds the applicable RF compliance level above, the AccuGuide® Monitor should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the medical bed.

B Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m

Recommended separation distances between portable and mobile RF communications equipment and the medical bed (see references in contents)

The medical bed (see references in contents) is intended for use in the electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the bed can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the bed as recommended below, according to the maximum output power of the communications equipment.

Rated maximum power of transmitter W	**Separation distance according to frequency of transmitter m**		
	150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.5 GHz
	$d = 1{,}17\sqrt{P}$	$d = 1{,}17\sqrt{P}$	$d = 2{,}33\sqrt{P}$
	/ HMI113L..	/ HMI113L..	/ HMI113L..
0,01	0,12 / 0,116	0,12 / 0,116	0,23 / 0,233
0,1	0,37 / 0,316	0,37 / 0,366	0,74 / 0,736
1	1,17 / 1,16	1,17 / 1,16	2,33 / 2,33
10	3,70 / 3,66	3,70 / 3,66	7,37 / 7,36
100	11,70 / 11,6	11,70 / 11,6	23,30 / 23,3

For transmitters rated at a maximum output power not listed above, the recommended separation distance ***d*** in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where ***P*** is the maximum output power rating of the transmitter in watts (***W***) according to the transmitter manufacturer.

Note 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

Note 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

⑤ MAINTENANCE CONDITIONS

The quality of the medical beds will be inspected:
-by trained technical or biomedical staff;
-by taking account of the normal conditions for use specified in the user's manual on a bed equipped with specific safety rails. The bed must be available for carrying out a full quality inspection at least once a year, but also:
-on specific request
-after curative maintenance on performances which could have been affected by the repairs. However, to save time, this may be carried out at the same time as preventive maintenance. In this case, it is not worth carrying out a new inspection of performances that have already been checked.
With external test devices to the medical bed, compatible with the performances claimed;
-by referring to the user's manual if necessary.

5.1 MAINTENANCE

RECOMMENDATIONS FOR PREVENTIVE MAINTENANCE:

Preventive maintenance should be carried out in accordance with our specifications and at least once a year by the organisation or person who installed the bed.
Between two maintenance sessions and at least once a year, the following should be carried out:
- Verification that the electrical leads are connected all along the metal jambs to prevent shearing of these leads when the variable height is being activated.
- Verification that all of the electrical leads and plugs are in good condition. Replacement if there is the slightest alteration (wear, shearing, damage, etc.).
- Verification of the external appearance (traces of damp and good overall condition of protective covers in particular) and that the motors and jacks function properly.
- Verification that the bed is in good working order (test all functions).
- Verification that the frame, bed base and mechanical joints are all in good condition.
When maintenance is carried out at the patient's home as part of a long-term contract, the installer must also:
- Check the bed is properly installed (check to see that there hasn't been any modification contrary to the safety instructions made by the user since the bed's installation).
- Remind the users of the safety instructions.

--All installation and preventive maintenance operations must be recorded. See table model below. This record must be kept in a designated area throughout the bed's lifetime.

QUALITY INSPECTION OF MEDICAL BEDS

IDENTIFICATION OF MEDICAL BED	ESTABLISHMENT
CATEGORY	
TYPE MODEL TRADEMARK	
SERIAL NO.	SERVICE SITE
INVENTORY NO.	
DATE OF MANUFACTURE	

TEST DEVICES CHECKED AND CONFORMING WITH STANDARDS		
Description	Type/model	Identification/serial no.
Mass continuity tester		
Dielectrimeter		
Fault current to patient		

Qualitative aspects	NA (1)	YES	NO
VISUAL CHECKS			
General condition			
User's manual available			
Headboard and footboard present			
Good overall condition (head and footboards, bed corners, protective stops)			
General cleanliness			
Acceptable state of corrosion given the requirements of the user			
Identification/label/serigraphy in good condition			
Mechanical condition			
Lifting pole in good condition (positioning and strap)			
Mechanical leads in good condition			
Sleeping surface in good condition (bed base)			
Boards lock and tighten well (head and footboards)			
Chest rest functions properly			
Leg rest functions properly			
Half-seated position functions properly			
Manual leg rest functions properly			
TR/RTR positions function properly			
Bed base extension functions properly			
Castors function properly (pivoting, rolling, etc.) including the steering castor where applicable.			
Bed immobilises properly (castor brakes, etc.)			
Verification of tightenings, diverse nuts and bolts, pins, pivot, IV stand			

Qualitative aspects	NA (1)	YES	NO
Verification that welds are in good condition			

Absence of sound disturbances (squeaking, lubrications)			

Electrics, hydraulics and pneumatics			
Electrical leads, plugs and connectors are in good condition (not sheared, not caught, etc.)			
Electrical parts in good condition (leads, motors, boxes, etc.)			
Hydraulic and pneumatic parts in good condition (pumps, compressors, jacks, dampers, etc.)			
Remote controls, displays and lights in good condition			

Bed-specific side rails	NA (1)	YES	NO
The rails in place and specific to the bed and/or comply with the manufacturer's specifications			
Properly positioned and secured			
Side rail locking functions properly in raised position			
Check that the height measured from the top of the barrier to the uncompressed mattress surface, excluding therapeutic mattresses, is more than or equal to 220 mm (complies with the standard in force) 2			

Safety check		NA (1)	YES	NO
Locking of operational functions				
Inactivation of variable height control pedals				
Cardio Pulmonary Resuscitation (CPR) emergency flattening of the back rest	Check that the headboard extracts or retracts properly in an emergency			
	Check that the chest rest emergency flattening function works properly			
Withstands jack load well				
Visual and sound alarms in good working order				

Quantitative aspects	NA (1)	YES	NO
Bed functions properly using the battery			
Check the scale of movements			
Maximum angle when propped = Maximum angle of specifications claimed by the manufacturer (± 2°)			
Maximum height = Maximum height of specifications claimed by the manufacturer (± 20 mm)			
Minimum height =Minimum height of specifications claimed by the manufacturer (± 20 mm)			

Electrical safety			
Electrical safety inspection (Values comply with EN 60601-1)			

Comments

Conclusion	YES	NO
Operational (is the safety of the patient, carers and technical staff at risk?)		
Plan of action (see comments) **3**		
Recommended date of next quality inspection		

OPERATOR			
NAME		Establishment	
DATE		Signature	

1 Not Applicable

2 If the height measured does not comply with the standard, the health manager responsible for correct application must be informed. Failure to comply is not a criterion for a non operational status.

3 The manager decides on the actions to take and which people to contact depending on the results of the quality inspection and the comments made.

5.2 CLEANING AND DISINFECTION

Pressure cleaning is forbidden.
Unplug the mains lead.

Check that all the electrical parts are connected together. All the sockets of the supply box must be used, otherwise the watertightness of it is not guaranteed.

Clean the electric covers of the jacks and wired handset straightaway if any bodily fluids, particularly urine, have sprayed on to them.

Isolate the medical bed in a disinfection room equipped with a particle filtering system and drain for washing floors and walls after disinfection.

How to use the WIP'ANIOS cloth

Carefully wipe the surface to be treated and use a second cloth if the surface is very dirty.

The surface only needs rinsing in the event of:

- subsequent contact with mucous membranes,
- possible contact with unwrapped foodstuffs.

Qualitative compositions

The impregnation solution of the WIP'ANIOS cloths contains:

.Didecyldimethylammonium chloride,

.Isopropanol,(8%p/p),

.Fatty alcohol ethoxylate type detergent.

Physicochemical properties

Impregnation solutions of cloths

5ml per cloth.

Size 200 mm x 200 mm

Microbiological properties

The impregnation solutions of the cloths have a microbial effectiveness

-Bactericide NF EN 1040

-Bactericide in the presence of interfering substances NF EN 1276 pr EN 13713.

-Bactericide in carrier method: NF T 72190 (spectrum 4).

-Active on Mycobacterium tuberculosis (BK).

-Active on Candida albicans: NF EN 1275.

-Fungicide in the presence of proteins: NF EN 1650

-Active on herpes virus and Rota virus

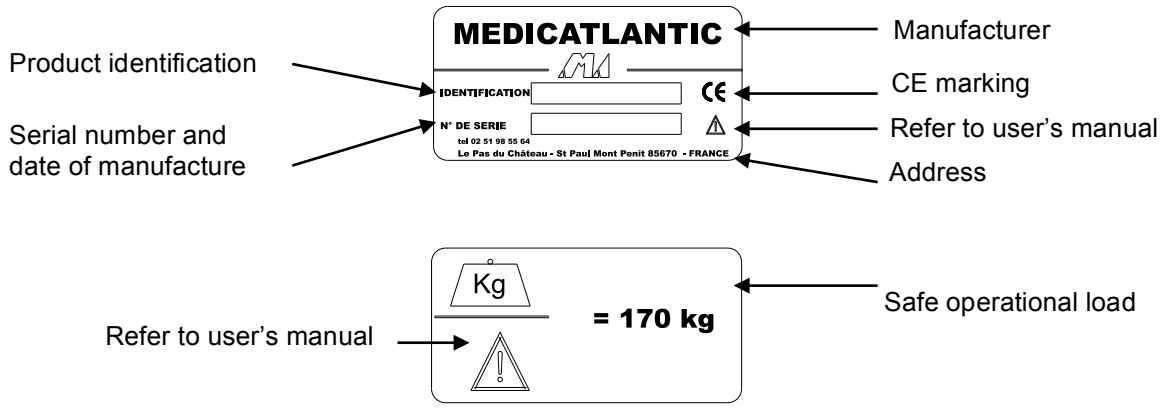
Leave to dry and protect the equipment from being contaminated by other non-disinfected equipment with a film labelled with the date of disinfection.

Product for external use. Do not swallow, keep away from heat sources and avoid contact with eyes

5.4 WARRANTIES

- All of our products carry a warranty against any manufacturing defect, provided the normal conditions for use and maintenance are complied with.
- Labour costs due to changes in structures or parts under warranty are not taken into account.
- Please refer to the standard terms of sale for the specific terms of warranty for each product.
- Every time you contact us for possible maintenance, you must quote us the information on the bed identification label and on the electric parts if these are concerned.
- Original parts shall be supplied for replacement, within the term of warranty, by our customer sales network determining the beginning of the term of warranty.
- Defective parts must be returned to ensure proper application of this warranty and also to avoid any invoicing.

5.5 IDENTIFICATION



5.6 *LIFETIME*

- The bed's lifetime under normal conditions of use and maintenance is: 5 years

⑥ CONDITIONS FOR SCRAPPING

- The product must be scrapped if the main requirements are no longer met, particularly when the product no longer has its original characteristics and has not been subject to corrective action during the manufacturing process.
- Measures should therefore be taken to ensure that the bed is no longer used for the purpose it was originally intended.
- When scrapping, the current environmental standards must be complied with.